

METHOD OF USING LOW BANDWIDTH SENSOR FOR MEASURING HIGH  
FREQUENCY AC MODULATION AMPLITUDE

ABSTRACT OF THE DISCLOSURE

5

A slow monitor diode having a bandwidth only partially  
overlapping a lower end of a data transmission spectrum for  
a data transmission laser is employed to detect and control  
average output power of the data transmission laser and,  
10 from peak-to-peak measurements, optical modulation  
amplitude. The output current from the monitor diode  
reaches a peak value for long runs of consecutive logical  
1's or 0's. Using peak detectors with a long decay rate,  
the peak-to-peak signal amplitude, directly representative  
15 of optical modulation amplitude, may be determined.